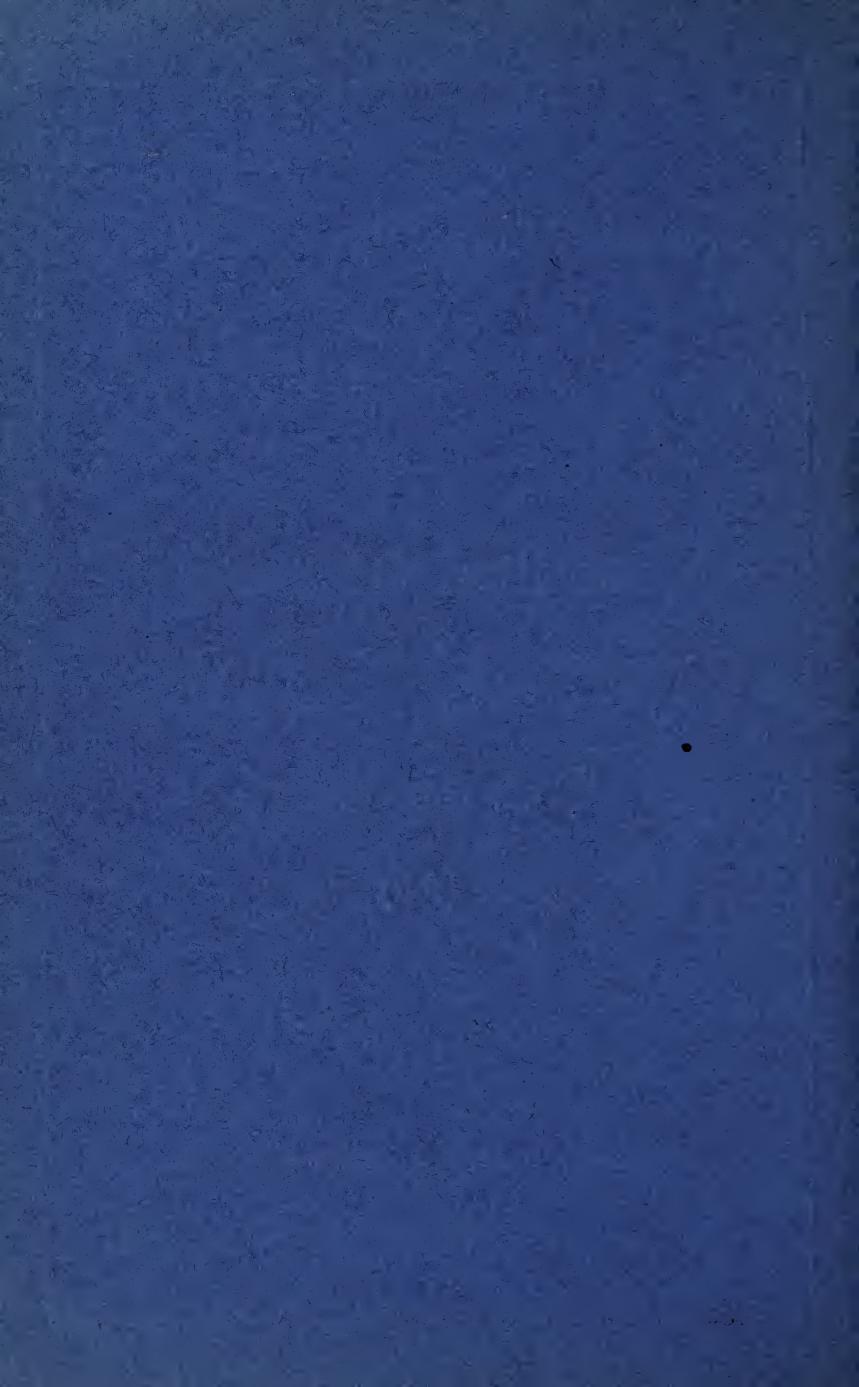
Stokesley Rural District Council.

Medical Officer's ANNUAL REPORT

FOR THE YEAR

1940

The Caxton Press, 21 & 23 Mandale Road, Thornaby on Tees.



Stokesley Rural District Council.

Medical Officer's ANNUAL REPORT

FOR THE YEAR

1940

The Caxton Press, 21 & 23 Mandale Road, Thornaby-on- Tees.

Digitized by the Internet Archive in 2018 with funding from Wellcome Library

The Rural District of Stokesley.

Chairman of the Council: HERBERT WATSON, ESQ.

Vice-Chairman: EDWARD WILLIAMS, ESQ.

Chairman of the Public Health and Plans Committee: H. W. TARRAN, ESQ.

Chairman of the Housing Committee: H. W. TARRAN, ESQ.

Clerk to the Council: H. Wynne Potts.

Medical Officer of Health:† F. D. Ross-Keyt, M.B., Ch.B., D.P.H.

Sanitary Inspectors:
† A. Clifton Walker, C.R.S.I.
† T. S. Yarrow, Cert. S.I.B. *

Clerk:
Margaret Scott.

[†] Contribution to Salary from Exchequer.

^{*} In H.M. Forces.

SECTION A.

... 90,182

Statistics and General Conditions of the Area.

Area (in acres)

which requires comment.

Registrar-General's estimate of resident population, mid-194 Average population appropriate to the calculation of	0 16,370
death rates	16,370
Number of inhabited houses (end of 1940) according	⊭ 20 <i>1</i>
to Rate Books	5,324 £.74 624
Rateable Value	£280
(est	cimated)
Total M. F.	
Live Births Legitimate 227 104 123 Birth Rate per	1,000 of
Illegitimate 11 8 3 the estimated population 14.54	resident
Still Births 8 4 4 Rate per 1,000 to and still) births:	,
Deaths 231 109 122 Death Rate per 1 the estimated population: 13.12	resident
Deaths from puerperal causes (Headings 29; and 30 of the Re-General's Short List):	egistrar-
Rate per 1,00	
Deaths. (Live and Still)	Births.
No. 29 Puerperal sepsis — — —	
No. 30 Other Puerperal causes 1 4.06	
Total 1 4.06	
Death Rate of Infants under one year of age:	
All infants per 1,000 live births	25.21
Legitimate infants per 1,000 legitimate live births Illegitimate infants per 1,000 illegitimate live births	22.02
inegreniate maires per 1,000 megrennate me mens	120.00
Deaths from Cancer (all ages)	34
Deaths from Cancer (all ages)	
	•
", Diarriblea (under 2 years of age)	

There was no unusual or excessive mortality during the year

SECTION B.

General Provision of Health Services for the Area.

(a) LABORATORY FACILITIES .:

These remain unchanged.

(b) AMBULANCE FACILITIES:

The whole of the District possesses ambulance facilities.

The St. John's Ambulance Association (Great Ayton Division) serves the greater part of the District, and the Council now makes an annual contribution to the funds of the Division.

An agreement is made with the Stockton Corporation whereby the Parish of Yarm has the use of the Corporation ambulance for purposes other than the removal of infectious disease cases.

Cases of infectious disease occurring in the District are removed by the ambulance of the Middlesbrough Corporation to the Corporation Isolation Hospital, Middlesbrough.

(c) NURSING IN THE HOME:

In all Parishes the District Nurse also undertakes midwifery.

(d) TREATMENT CENTRES AND CLINICS:

The North Riding County Council Ante-Natal and Infant Welfare Clinics in the Rural District are held as follows:

Ante-Natal Clinics.

Infant Welfare Clinics..

Stokesley—fortnightly on Mondays.

East Rounton—1st Tuesday in each month.

Yarm —fortnightly on Thursdays.

Stokesley —fortnightly on

Mondays.

Ormesby —fortnightly on Wednesdays.

Ormesby -

—fortnightly on Wednesdays.

(e) HOSPITAL (PUBLIC AND VOLUNTARY):

The hospital arrangements remain unchanged.

SECTION C.

Sanitary Circumstances of the Area.

1. (i) WATER.

The Council's Water Schemes which now supply the area have operated satisfactorily during the year. Close attention has been paid to any action on lead. The analyst's reports during the year have been satisfactory.

Further to directions of the Minister of Health the engineer prepared a scheme for chlorination of water from the two supplies. The contract has been placed with Messrs. Wallace & Tiernan for two Hypochlorinators to be installed, one at Ingleby Village and one at Scugdale.

Details of all supplies of water in the Council's area are appended hereto.

PUBLIC WATER SYSTEMS.
TEES VALLEY WATER BOARD.

PARI	SH.			Connections to December, 1939.	Connections to December, 1940
Great Ayton Hemlington Maltby	•••	•••	•••	559 25 52	13 —
Marton Nunthorpe	***	•••		353 108	2
Ormesby Stainton Stokesley	•••	•••	•••	747 106 445	2 4
Yarm	•••	•••	•••	552	1
	ГОТАІ	LS	•••	2,947	22

PARISH.	Connections to December, 1939	Connections December, 1940.
Carlton Gt. & Little Broughton Great Busby Hutton Rudby Ingleby Barwick Kirkby Little Busby Middleton Potto Rudby part Faceby	66 135 14 225 — 49 1 — 29 10 2	3 5 1 4 17 2 1 3 — 1
TOTALS	531	37

*TEES VALLEY WATER BOARD MAINS EXTENSION.

PARISH.	Connections to December, 1939.	Connections December, 1940.
Newby	34	, —
TOTALS	34	_

^{*} Water purchased in bulk from the Tees Valley Water Board and distributed through the extended mains which are the property of the Rural District Council.

STOKESLEY R.D. C. (SCUGDALE).

PARISH.	Connections to December, 1939.	Connections to December, 1940.
Crathorne High Worsall Kirkleavington Low Worsall Picton Whorlton Part Potto Part Hutton Rudby Part East Rounton	43 9 30 17 31 92 8 6 1	1 1 1 - 2 -
TOTALS	237	5

WATER ANALYSES

The following table shews particulars of those Parishes which are not served with water by public piped supplies.

PARISH.		NATURE OF SUPPLY.
Bilsdale Midcable		Pumps and wells and partial piped supply of the Feversham Estate.
Castleleavington		Pumps and wells.
Easby	• • •	Pumps and wells and partial private piped supply.
East Rounton	• • •	Private piped supply of the Rounton Estate and part Stokesley R.D.C. Scugdale supply.
Faceby		Pumps and wells and partial private piped supply.
Ingleby Arncliffe		Private piped supply of Arncliffe Estate.
Ingleby Greenhow		Private piped supply of Ingleby Greenhow Estate.
Kildale		Private piped supply.
Little Ayton		Pumps and wells.
Seamer		Private supply of Seamer Water Co.
Sexhow		Pumps and wells.
Skutterskelfe	•••	Pumps and wells.

(ii) DRAINAGE AND SEWERAGE.

The Council's Sewage Disposal Works have been maintained in a very satisfactory condition during the year.

The Works are situated as follows:

POSITION OF	WORKS.		AREA SERVED.
Cargo Fleet Lane, Gipsy Lane, Marto	•		Part of Parish of Ormesby. Part of Parishes of Marton, Nunthorpe and Ormesby.
Gunnergate Lane, M	arton		Part of Parish of Marton.
Great Ayton .			Parish of Great Ayton.
Stokesley	••		Parish of Stokesley.
Busby			Village of Busby.
Kirkleavington .	••	•••	Village of Kirkleavington.
Yarm			Worsall Road, and Council's
			Housing Estate.

NEW SEWERS AND EXTENSIONS.

Location.	Length in yds.	Diameter.	Remarks.
Ingleby Arncliffe	250	6 ins.	Relaying defective and dilapidated sewer.
Marton Moor, Parish of Marton	200	9 ins.	New Estate development.
Marton Moor, Parish of Marton	200	9 ins.	Surface Water Sewer, New Estate development.

2. RIVERS AND STREAMS.

Streams are polluted within the Parishes of Great and Little Broughton, Carlton and Stainton, particularly during the summer months. This is due to there being no adequate treatment of the sewage which discharges therein.

These are cleansed as and when their condition renders the same necessary.

3. (i) CLOSET ACCOMMODATION:

The following shows details of privy conversions and provision of new water closets during 1940:

PARISH.	Conversions	New W.C.'s.
Great Ayton Stokesley	õ 3	<u></u>
TOTAL	8	

(ii) PUBLIC CLEANSING:

During the year the Council gave consideration to undertaking the collection of household refuse by direct labour to the following Parishes, Carlton, Hutton Rudby, Ingleby Arncliffe. Stokesley, Whorlton and Yarm. An order was placed with Messrs. Dennis Bros., Guildford, for a 9 cu. yd. refuse collection vehicle with an all-metal body.

Owing to war-time conditions delivery of this vehicle was delayed until December, 1940. Consequently the aforementioned parishes were cleansed by private contract as heretofor.

The Karrier Refuse Vehicle has proved very satisfactory and, although the work has increased during the year, the service has been maintained very satisfactorily.

Work commenced: 1st January, 1940.

Premis	es visite	d					
				per month	per week	per day	Total.
Bins			 	4840	1210	202	60535
Pans	; ,		 	1588	397	66°	19858
Ash	Pits		 	76	19	3	977
				6504	1626	271	81360
	•				egyptytys (Propoleolinis)	-	-
Loads	carried		 	59.6	14.9	2.48	778

(iii) SANITARY INSPECTION OF THE AREA:

Summary of Inspections.

~	Complaints	• • •	101
1	do. Re-visits	• • •	79
	Housing Act	• • •	9
	do. Re-visits ,.		25
	Infectious Diseases		33
	Disinfection		44
•	Slaughterhouse and Meat Inspection		49
	Dairies and Cowsheds		32
	Water Supply		39
	Temporary Dwellings		10
-	New Buildings		47
	Drain Work		58
	Tratarias and Warlashana	• • •	15
	Privy Conversions	• • •	12
	And the second s	•••	114
	Sewers and Sewage Works	• • •	191
•	Refuse Collection and Disposal	• • •	131
		•	050
			858
	•		
	Nuisangas		
	Nuisances.		
			4.00
	Number of Inspections made		109
	", ", re-inspections made		79
	" . Informal Notices served		85
	" , Statutory Notices served		- 6
	Number of Nuisances discovered		113
1			
4	Doofs war in A		. [7]
	Roofs repaired	• • •	7
	Walls	• • •	5
	Floors relaid	• • •	4
	Ceilings repaired	• • •	2
	Handrails provided	• • •	1
	House Water Supplies		9
	Refuse Bins renewed	• • •	8
All	Closet pans renewed	• • •	3
Abated	í Miscellaneous repairs not		
	enumerated above	• • •	16
	Foul cesspools	•	15
	Foul drains	• • •	29
	Water-courses		
	Defective privies	• • •	5
	Defective Window frames		1 5 3
	Defective spouts	• • •	4
	Defective W.C. pedestals		1
	2 december 11.0. pedestais	• • •	T

(iv.) SHOPS.:

No action has been required.

(v) SMOKE ABATEMENT:

No action has been required regarding the abatement of nuisances from smoke.

(vi) SWIMMING BATHS AND POOLS:

There are no swimming baths or pools (publicly or privately owned) which are open to the public.

(vii) ERADICATION OF BED BUGS:

No action has been required.

4. SCHOOLS:

All the schools in the District have been visited during the year. Reports on the sanitary condition and the water supply have been forwarded to the County School Medical Officer.

SECTION D.

Housing.

1.	Inspection of Dwelling houses during the year:-	<u>.</u>
	(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	110
	(b) Number of inspections made for the purpose	104
ar.	(2) (a) Number of dwelling-houses (included under subhead (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932	6
	(b) Number of inspections made for this purpose	9
	(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	3
	(4) Number of dwelling-houses (exclusiv of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	109
2.	Remedy of Defects during the Year without Service of formal Notices:—	
	Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	85
3.	Action under Statutory Powers during the Year:—	
	(a) Proceedings under sections 9a, 10 and 16 of the Housing Act, 1936:	
	(1) Number of dwelling-houses in respect of which notices were served requiring repairs	dega di grada ciria
je.	(2) Number of dwelling-houses which were rendered fit after service of formal notices	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		·

	(b) By Local Authority in default of owners	-
	(b) Proceedings under the Public Health Acts:	
	(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	87
	(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—	
	(a) By Owners	6
	(b) By Local Authority in default of owners	-
	(c) Proceedings under sections 11 and 13 of the Housing Act, 1936:	
	(1) Number of dwelling-houses in respect of which Demolition Orders were made	Despiriting.
	(2) Number of delling-houses demolished in persuance of Demolition Orders	
	(c) Proceedings under section 12 of the Housing Act, 1936:	
	(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	topo totale.
	(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered unfit	-
4.	Housing Act, 1936—Part IV—Overcrowding:-	
	(a) (i) Number of dwellings overcrowded at the end of the year	
	(ii) Number of families dwelling therein	(marrorata
	(iii) Number of persons dwelling therein	
	(b) Number of new cases of overcrowding reported during the year	
,	(c) (i) Number of cases of overcrowding relieved during the year	
	(ii) Number of persons concerned in such cases	
- 1		

No cases have occurred in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding, and there are no other particulars with respect to overcrowding conditions upon which report should be made.

SECTION E.

Inspection and Supervision of Food.

(a) MILK SUPPLY:

Under the Milk and Dairies Order, 1926, there are 658 registered premises in the area, and during 1940 the Sanitary Inspectors made 32 visits.

Under the Milk (Special Designations) Order, 1936, the County Council issued the following licences in respect of designated milks produced in the Rural District of Stokesley.

Designation			Not
Accredited		• • •	46
Tuberculin Tested	•••	•••	61
Total	•••	• • •	107

The District Council have not issued any licences under this order.

(b) MEAT AND OTHER FOODS:

Since the adoption of the Meat Distribution Scheme by the Ministry of Food, slaughtering has now ceased within the area, all the meat supplied to butchers in the area being drawn from the Distributing Centre at Middlesbrough and the local butchers distributing from one centre.

The only inspections of slaughter in the area have been emergency cases and where the carcase has been found fit for food it has been sent in to the Distributing Centre for disposal.

Regular visits are made to butchers' establishments and the quality of the meat supplied to the area has been found to be satisfactory.

SECTION F.

Prevalence of, and Control over, Infectious and other Diseases.

SCARLET_FEVER:

During the year 24 cases of this disease were notified (9 Great Ayton, 4 Broughton, 4 Stokesley, 2 Yarm. Seamer and Ormesby, 1 Nunthorpe), as compared with 8 the previous year. The disease continued to be of a mild type and there were no fatal cases.

DIPHTHERIA:

During the year 20 cases of Diphtheria were notified (4 Stokesley, 4 Whorlton 3 Yarm, 2 Ormesby, 2 Bilsdale, 1 East Rounton, Great Ayton Low Worsall, Marton, and Stainton), as compared with 8 notifications for the previous year.

PNEUMONIA:

During the year 24 cases of this disease were notified (6 Stokesley, 2 Hutton Rudby. Bilsdale, Carlton. Marton. Ormesby and Yarm, 1 Great Broughton, Hemlington, Kildale, Kirby, Seamer and Whorlton), as compared with 11 notifications the previous year. There were 5 deaths from Pneumonia (all forms) during 1940, as compared with 8 the previous year.

ERYSIPELAS:

During the year 3 cases of Erysipelas were notified (1 Great Broughton, 1 Ormesby, 1 Whorlton), as compared with 4 the previous year.

WHOOPING COUGH:

During the year 18 cases of Whooping Cough were motified (15 Great and Little Broughton, 2 Stokesley, 1 Hutton Rudby). There were no deaths from this disease.

MEASLES:

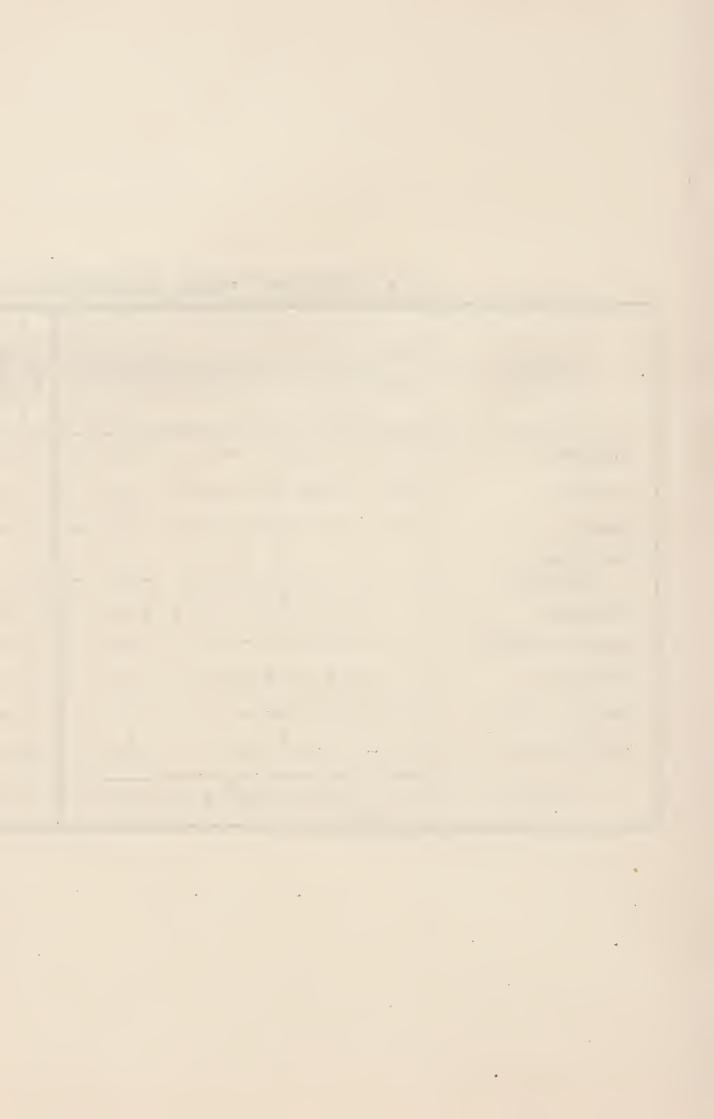
During the year 41 cases of Measles were notified (8 Crathorne, 4 Hutton Rudby, Ormesby, Stokesley, and Yarm. 3 Ingleby Arncliffe, and Whorlton, 2 Great Ayton, and Hilton. 1 Castle-leavington, Ingleby Barwick, Ingleby Greenhow, Kirby. Low Worsall, Picton and Potto), and there were no deaths.

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING THE YEAR 1940.

Disease.	Total Cases Notified.	Ca s es Admitted to Hospital.	Total Deaths.	Cost of Removal and Treatment.
				£ s. d.
Diphtheria	20	18	1	278 19 1
Erysipelas	3			
Pneumonia	24		5	
Puerperal Pyrexia	1	1		8 18 7
Scarlet Fever	24	18		174 10 7
Food Poisoning	2	2		11 10 0
TOTALS	74	39	6	£473 18 3

ANALYSIS OF TOTAL NOTIFIED CASES UNDER AGE GROUPS AND PARISHES.

DISEASE		Under 1 year	2-	3-	4-	5-	10-	15-	20-	35-	45-	65 and ove	d r	Bilsdale	Cariton	leavington	Crathorne		Great Ayton	Gt. and L. Broughton	Hemlington	Hilton	Hutton Rudby	Ingleby Arncliffe	Ingleby Sarwick	gle	Kildale	Kirkby	Low Worsall	Marton	Nunthorpe	Ormesby	Picton	Potto	Seamer	Stainton	Stokesley	Whorlton	Yarm
Diphtheria	• • •	1	2	1		3	7		5	2	-		- -	2 -	-		-	1	1 -										1	1		2				1	4	4	3
Erysipelas	• • •	· Personal and Per								: 1	1	1			- -	_ -			_	1 -												1						1	
Measles	• • •	2	1	2	3	15	9	1	5	2	1	-	.	_	-	1	8 -		2 -			2	4	3	1	1		1	1			4	1	1			4	3	4
Ophthalmia Neonatorum	• • •	1								-			-			_		,	_	-								_									_	1	
Pneumonia	• • •	1	1		1	1		1	2	5	7	5		$2 \mid 2$	2 -	_	_ -	_ -	-	1	1		2				1	1			2	2			1		6	1	2
Puerperal Pyrexia	• • •	-	-							1		_			-	_	<u>-</u>	- -	_																1				
Scarlet Fever	• • •			2	4	5	10	1	1	1				-	-	_ _	-	_	9	4											1	2			2		4		2
Whooping Cough	• • •	3		1	3	10			1						-	_ -	_			15			1.		-			_					-				2		
Food Poisoning	•••	_	-	_	-					2					- -	- -			_				2										-				-		
TOTALS	•••	8	3	6	11	34	26	3	14	14	9	6		7 2	2	1	8	$1 \int_{-\infty}^{\infty} 1$.2	21	1	2	9	3	1	1	1	2	2	1	3	11	1	1	4	1	20	10	11



PREVENTION OF BLINDNESS.

No action was taken under Section 176 of the Public Health Act, 1936, for the prevention of blindness or for the treatment of persons suffering from any disease or injury to the eye.

TUBERCULOSIS.

NEW CASES DURING 1940.

	_	New Cases										
		Respi	ratory	Non-res	pi ratory							
		M .	F.	. M.	F.							
0— 1— 5— 15— 25— 35— 45— 55— 65 and upwards		1 4 1 1	1 1		1 5							
		8	2	_	6							

PARISHES:—

New Cases—Respiratory—

Male—1 East Rounton, 1 Great Broughton, 1 Ingleby Arncliffe, 1 Ingleby Greenhow, 2 Ormesby, 1 Stokesley, 1 Yarm.

Female—1 Great Ayton, 1 Stokesley,

Non-Respiratory—

Female—1 Great Ayton, 4 Stokesley, 1 Yarm.

CAUSES OF DEATH IN THE STOKESLEY RURAL DISTRICT FOR THE YEAR 1940.

1	· · · · · · · · · · · · · · · · · · ·			1 1		(
	CAUGE OF DRATH			Total	Malaa	Females
	Cause of Drath			1 Otal	Maies	remaies
1	The state of the s				1	••
-						
1	T 1 1 1D (-1-14 E.					
	Typhoid and Paratyphoid Fe	vers	• • •			_
	Measles	• • •	• • •		<u> </u>	_
	Scarlet Fever	• • •	• • •		_	
	Whooping Cough	• • •	• • •	_		_
	Diphtheria	• • •	••	1		1
	Influenza		• • •	5	1	4
	Encephalitis Lethargica			_		
		• • •				
	Tuberculosis of Respiratory s			8	5	3
	Other Tuberculosis			3	5	3 2
	Syphilis		- 1	3	1	4

	G.P.I., Tabes, etc	• • •		_	1.0	
	Cancer	• • •	• • •	34	18	16
	Diabetes	• • •		3	1	2
	Cerebral Haemorrhage, etc.		• • •	25	9	16
1	Heart Disease		• • •	67	34	33
L	Other Circulatory Diseases		• • •	7	3	4
	Bronchitis =			15	10	5
	Pneumonia (all forms)	• • •		5	1	4
	Other Respiratory Diseases			2	2	_
	Peptic Ulcer	• • •		$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$	2 2	
	Diarrhoea under 2 years			_		
	Appendicitis			1	1	
	Other Digestive Diseases	• • •	• • •	5	1	4
	Acute and Chronic Nephritis		• • •	6	3	3
	5 1 6 :		-	0	3	3
		• • •	• • •	_		
	Other Puerperal Diseases		• • •	1		1
	Premature Birth	• • •	• • •	2 3 3 4	1 3 3 1 3	1
	Congenital Defects Birth I	0 0		3	3	
	Road Traffic Accidents	•••		3	3	
	Suicide	• • •			1	3 3 17
	Other Violence	• • •		6		3
	All other causes	• • •		23	6	17
]			
	To	TALS		231	109	122
	10	11110		MO.	105	
1			1			

SIRTH-RATES, DEATH-RATES, ANALYSIS OF MORTALITY, MATERNAL DEATH-21 ATES, AND CASE-RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEAR 1940. ENGLAND AND \VALES, LONDON, 126 GREAT TOWNS AND 148 SMALLER TOWNS.

		Stokesley R.D.	England and	126 County Boroughs and	148 Smaller Towns (Resident	London Adminis- trative
			Wales	Great Towns including London.	Populations 25,000 to 50,000 at 1931 Census)	County.
			Rate	s per 1,000 Pop	onlation.	
T	BIRTHS:-					1
ri I	Liv e	14 .5 4	14,6	16. 0	15.7	13.7
1. 5	Still	0.49	0.55	0,64	0.55	• 0.44
1						
上日	DEATHS;					
HA	All Causes	13.12	14.3	1 5. 8	12.8	17.8
N N	Typhoid and Paratyphoid fevers					
00	Smallpox	_	. —		_	. —
n?	Measles		0.02	0.02	0.02	0.01
50	Scarlet fever		0.02	0.02	0.02	0.01
VI	Whooping Cough		0.02	0.02	0,02	
Di	Diphtheria	0 06	0.06	0.07	0.05	0.01
rı I	Influenza	0.30	0.32	0.29	0.30	0.18
C C PE E D S S O T	Notifications:— Smallpox Scarlet fever Diphtheria Enteric fever Erysipelas Pneumonia Cerebro-Spinal Fever Whooping Cough Measles Deaths under 1 year of age Deaths from Diarrhoea and	1,5 1,2 	1,63 1,16 0.07 0.33 1,20 0,32 1,34 10.24	1.53 1.29 0.06 0.36 1.37 0.33 1.29 9.23	1.57 1.21 0.10 0.30 1.00 0 29 1,35 9,99	1.82 0.61 0.06 0.35 0.87 0,28 0,22 1.78
10	Enteritis under 2 years of age	2	4.6	5.9	4. 44	5.8
	MATERNAL MORTALITY:	Rat	es per 1,000	Total Births	(Live and Still).
	Puerperal Sepsis Others Total	4.06 4. 0 6	0.52 1.64 2.16	Not availab	le.	
	Notifications:— Puerperal fever Puerperal:pyrexia	°	11.96	13.90	9.73	} 3.34 13.30
- 3			J			

